



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## SOLUTION-15(CLASS-12)



### TOPIC- ALCOHOL, PHENOL AND ETHER

#### SUBTOPIC-GENERAL PROPERTIES AND PREPARATION OF ALCOHOL

SUBJECT – CHEMISTRY

F.M. - 15

DURATION – 30 mins

DATE -09.06.20

1.1 Which one of the following is termed as benzyl alcohol?

- a)  $C_6H_5OH$  b)  $C_6H_5CH(OH)_2$  c)  $C_6H_5CH_2OH$  d) None

Ans. c

1.2 The process of fermentation of starch involves many enzymes, the sequence of enzyme used are-

- a) Diastase-maltase-zymase  
b) Zymase-maltase-zymase  
c) Maltase-diastase-zymase  
d) Diastase-zymase-maltase

Ans. a

1.3 The methylated spirit contains:

- a) 10% alcohol b) 90% alcohol c) 19% alcohol d) 100% alcohol

Ans. a

1.4 The oxidation of isopropyl alcohol will yield:

- a) Propane b) Propanol c) Propanone d) Propanoic acid

Ans. c

1.5 Action of nitrous acid on ethylamine gives-

- a)  $C_2H_6$  b)  $C_2H_5OH$  c)  $C_2H_5OH$  and  $C_2H_4$  d)  $C_2H_5OH$  and  $NH_3$ .

Ans. d

1.6 Phenol on treatment with cone.  $HNO_3$  gives-

- a) Picric acid b) Nitric acid c) Both d) None

Ans. a

1.7 The formula of wood spirit is-

- a)  $CH_3COOH$  b)  $CH_3OH$  c)  $C_2H_5OH$  d) None of these

Ans. b

1.8 Ethanol containing some methanol is called-

- a) Absolute spirit b) Rectified spirit c) Power alcohol d) Methylated spirit

Ans. d

1.9 Rectified spirit is a mixture of-

- a) 95% ethyl alcohol +5% water  
b) 94% ethyl alcohol +4.53% water  
c) 94.4% ethyl alcohol + 5.43% water  
d) 95.87% ethyl alcohol +4.13% water

Ans. a

1.10 Which of the following is not a characteristic of alcohol?

- a) They are lighter than water  
b) Their boiling point rise fairly uniformly with rising molecular weight

- c) Lower members are insoluble in water and organic solvents but the solubility regularly increase with molecular mass  
d) Lower members have a pleasant smell and burning taste, higher members are colorless and tasteless.

**Ans. c**

**1.11 Alcohols of low molecular weight are-**

- a) Soluble in water  
b) Soluble in water on heating  
c) Insoluble in water  
d) Insoluble in all solvents

**Ans. a**

**1.12 Which of the following can work as a dehydrating agent for alcohol?**

- a)  $\text{H}_2\text{SO}_4$  b)  $\text{Al}_2\text{O}_3$  c)  $\text{P}_2\text{O}_5$  d) All

**Ans. d**

**1.13 Alcohols react with Grignard reagent to form-**

- a) Alkanes b) Alkenes c) Alkynes d) All

**Ans. a**

**1.14 Amongst the following phenols which is most acidic?**

- a) Picric acid b) 2-Nitrophenol c) 2,4Dinitrophenol d) m-Nitro phenol.

**Ans. a**

**1.15 Which of the following groups will increase the acidity of phenol?**

- a)  $-\text{NO}_2$  b)  $-\text{CN}$  c)  $-\text{X}$  (halogens) d) All

**Ans. d**

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